

Mohan Prasath S

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SNAPSHOT

- Good exposure in Web application development and Distributed systems
- Exposure to best coding practices and data structures.
- Exposure to Operations and Deployment of Web and distributed applications.
- Able to contribute as an independent worker, since have good experience with Remote working

WORK EXPERIENCE

- Software developer in Zoho corporation – May 2015 to Sept 2016
 - Developer on WebNMS project – a network monitoring system with management tool.
 - Developer on ZohoDesk project – a SaaS based help desk product.
- Cloud Engineer in Wanclouds (Cisco Systems) – Sept 2016 to Present
 - Developer on Cisco MCMP - Provides an enterprise context for delivering cloud services.
 - Developer on Cisco Support Tools project – Set of tools to manage Cisco Cloud and team automation.
 - Developer on Next generation cloud services – Service to deliver cloud services and tenant management
 - Developer on Metacloud project – an Docker based tool for monitoring the Docker swarm

EDUCATION QUALIFICATION

- M.Tech in Software systems Birla Institute of Technology (2018-2020)
- B.Tech in Information Technology Sona College of Technology (2011-2015), - **80%** aggregate.
- Higher Secondary in TMHNUMHSS, Theni - **92%** aggregate.
- Matriculation in TMHNUMHSS, Theni - **84%** aggregate.

SKILLS

- Languages : Golang, Java , JavaScript , HTML ,CSS , (Node.js ,PHP and JSP)*
 - Web Technologies : ReactJS , Redux , JQuery , Webpack , ES6 ,EmberJS , Bootstrap.js, (Charts.js , D3.js , Struts and Tiles)*
 - Database technologies : MySQL , PostgreSQL, MongoDB
- ()* have less than 6 months of Experience*

AREA OF INTEREST

Cloud computing, Web application development, Distributed systems, Open source, Linux, Programming and Scripting

PERSONAL SKILLS

Comprehensive problem solving abilities, excellent verbal and written communication skills, good fluency in English, ability to deal with people diplomatically, willingness to learn, team facilitator, hard worker.

CERTIFICATIONS

- Certification on “MongoDB for developers” from MongoDB University
 - License 29994911117148e2ae1a87b94c237d4f
- Certification on “Java Programming” from Hong Kong University (EDx)
 - License <https://verify.edx.org/cert/a8bc9cf016b845858d6544d9671e2e79>
- And few valuable certificates in PluralSight and Edx

PROJECTS

Project # 1: Cisco - Next Generation Cloud Services – Wanclouds @Cisco [JS, GoLang, Kubernetes, Openshift, Swagger,k6] Apr 2018- Present (Remote working)

Provide an enterprise context for delivering cloud services that everyone understands and wants

- Worked on Tenant Manager service to facilitate the tenant onboarding and resource management
- Worked on Load and integration testing on all Micro services (IAM, resource manager and tenant manager) which reduces a huge work load of manual testing in the team.

Project # 2: Cisco Infrastructure Services – Wanclouds @Cisco [ReactJS, PHP,JS,SNMP, Prometheus] Sept 2016- Apr 2018 (Remote working)

Set of Tools to manage Cisco Cloud Infrastructure and deploy applications in Cisco Cloud

- Developed a tool “Disaster Recovery” to deploy application on the Cisco Cloud and automatic disaster Management and load balancing , which made everyone in tools team to deploy their application seamlessly and securely.
- Developed a tool “Tenant Entitlement Tool” used by Customers to check their cloud application status, which gave them a clear view of what resources are on hold my Customers and evaluate the billing.
- Developed a Network Orchestration tool “Netroc” to facilitate VPN automation and network device monitoring through SNMP and Prometheus.

Project # 3: WebNMS – Zoho [Java , JSP , JavaScript , Jquery , Chart.js , D3.js , Bootstrap] May 2015 - April 2016

A Network Management System framework for developing NMS applications seamlessly.

- Involved in Discovery Module and Troubleshooting module where a root cause for problem between network links are found and provide troubleshooting techniques and docs. This made network admin role more easier and increased productivity
- Developed UI for report generation which gives detailed presentable view of the metric polled from router , So customer can schedule maintenance or increase routers based on the data.
- Gained good experience in Network monitoring and learnt about networking concepts.

Project # 4: ZohoDesk – Zoho [ReactJS, Java, JavaScript,Jquery, Struts , Bootstrap] April 2016- Sept 2016

A Help desk cloud Product developed for high scalable uses

- Developed live chat support using few other Zoho products (ZohoChat and salesIQ), which provides users to live chat to the available agents and get a solution more quickly.
- Introduced React.js in to the chat feature , which made it more intuitive and robust.

Project # 5: Instant Servers (Final Year Project) [Docker , MongoDB, PHP] May 2014 - May 2015

- Developed a simple on-demand server provisioning tool. The tool provides a self-service portal for the users where the user can launch the services required. So user may not install services like MySQL ,Apache Tomcat on their machine and instead they can get in on demand.

Project # 6: MakeWay – (PreFinal Year Project) [Android , Java] May 2013 – May 2014

- Ambulance can't reach the patients in time because the traffic is growing exponentially. The driver can locate a hospital in his digital device the shortest path (Dijkstra's Algorithm) will be identified and the signals in the path will be turned to green “+”(emergency symbol) and other signals will be turned to red signal. So Ambulance can travel to hospital without struck in traffic for long time.

Open source contributions:

Load Impact (K6) : k6 is a modern load testing tool, building on Load Impacts 's years of experience in the load and performance testing industry [Golang]

- <https://github.com/loadimpact/k6/pull/681> - To make options available through environment vars
- <https://github.com/loadimpact/k6/pull/674> - To make testing order as the execution order

Resume Builder : An automation project for creating resume/website using linkedin signin and linkedin data [React.js , Node.js]

- Parent site for creating resume is <http://realevents.herokuapp.com/>
- Sample resume after providing details will be <http://mytale.herokuapp.com/mohanprasaths>

Docker UI : An UI for maintaining and monitoring Docker swarm containers [React.js , Node.js]

- Dashboard and Containers view are completed for now . Working on the other features. (<https://github.com/mohanprasaths/DockerUI>)

Prometheus : Monitoring and alerting through time series database [Go]

- Identified set of bugs and fixed them (https://github.com/prometheus/snmp_exporter/pull/119)
- Developed a feature of storing hex strings in the Prometheus Time series Database

ACHIEVEMENTS AND ACTIVITIES

- Awarded the **"BEST OUTGOING STUDENT OF THE YEAR 2011-2015"** by Sona College of technology
- Awarded the **"BEST PERFORMER OF THE YEAR 2013-2014"** by Sona College of technology .
- Awarded **"SPECIAL ACHIEVEMENT AWARD"** by Sona College of technology on 2013.
- Awarded the **"BEST PERFORMER in CO-CURRICULAR 2014-2015"** by Sona College of technology .
- Awarded the **"BEST PERFORMER in CO-CURRICULAR 2013-2014"** by Sona College of technology .
- Won **1st prize** in a Project presentation at "Verve'13" Conducted by SCT,Salem on 9th October 2013.
- Won **1st prize** in a Project presentation at "Ignite 13" Conducted by Anna University on 11th October 2013.
- Won **3rd prize** in a Project presentation at "Verve'14" Conducted by SCT,Salem on 9th October 2014.
- Won **1st prize** in bug busters Conducted by SCT, Salem on 8th October 2014.
- Presented a paper titled **"Cloud Computing"** in a Paper Presentation Contest of National Level Technical Symposium "Spring Fest 2k13" organized by KSR college of institute and technology,9th October 2013. **Won 1st prize.**
- Got **2nd prize** in "JUST A MINUTE" conducted by NSS NEST'12, Salem.
- Entered as a **finalist** in National Level **Code Developing** Contest at Anokha 2014.
- Scored Incubation at Indian Institute of Technology Madras for Innovative Ideas

PERSONAL PROFILE

Name	:	Mohan Prasath S
Marital status	:	Single
Date of Birth	:	30, April 1994
Nationality	:	Indian
Hobbies	:	Meetups, Sports ,Yoga, Karate